

ABSTRACT OF THE DISCLOSURE

Provided is a wideband amplifier which can provide an increased operation bandwidth without being limited by manufacturing process. A source follower circuit having a MOS transistor and constant-current supplies is provided in parallel to a MOS transistor serving as an amplifier of the input stage. Furthermore, the sources of the MOS transistor serving as the output of the source follower circuit are connected to the output nodes of the input stage amplifier via phase compensation capacitors, respectively. This configuration provides an increased phase allowance to the wideband amplifier, thereby providing an improved operation bandwidth without being limited by the manufacturing process employed.